Innovation in real-time: a living example of Digital Manufacturing
Company Profile

• Italian Family Business
• Established 1963
• 3 Companies 3 Business Units
• 4 Plants
• More than 230 employees
A Family Company
Total turnover 2017: > 43 M €

Over the last 5 years, **Rold has reached its best business performances** in more than fifty years of company history.
Turnover Growth

Year:
- 2011
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017

Values:
- 33
- 44
- 55
- 66
- 77
- 88
- 99
Values

People
Passion
Courage
Responsibility
Performance
- Doorlocks
- Rotary Switches, Encoders
- Switches & Micro Switches
- Push button units
- Smart Sensors
- Electrical and Electronic control systems
- IoT integration
• Washing Machines
• Dryers
• Dishwashers
• Home & Professional Cooking
• Food Preservation
• LED – based, high efficiency Lamps
• Designed and assembled in Italy
• Industrial, Retail, Public spaces, Sport centers
• IoT integration
• Innovative modular platform based on PLC technology
• Connect, Measure and Manage
• IoT for Energy Management
• Connecting through light
• Based on VLC (Visible Light Communication) technology
• Use of common LED lamps to send data
• Whole range of specific applications
In the past 3 years in R&D, Technology and Digital Manufacturing

6M €
- SME Network
- University Foundation
- Multidisciplinary
  - Mechanical
  - Electronics
  - Materials
  - Design
University Collaborations

- Politecnico di Milano
- Politecnico di Torino
- Santa Chiara Lab University of Siena
- Lomonosov Moscow State University
- Bauman Moscow State Technical University
• Connectivity
• Data Analysis
• Self-interpretation
• Learning
• Prediction
• Expression

• Sensor, Actuators
• Human Machine Interface
• Connectivity
• Smart Software
• Battery & Power
Digital Manufacturing
- Digital Manufacturing Platform
- Monitoring Machines | Sensors | Energy | Air
- Real-Time Data and Alerts
- Data on touch-screen displays
- Mobile & wearable devices
- OEE
- Big Data Analytics
- Preventive Maintenance
- Chatbot
Risultato finale secondo turno
22:05

I terminali nuovi hanno fatto fare il salto di qualità
22:07

Okbene 22:01

Scrivi un messaggio...
All the data and factory alerts in real-time and ready-to-use

Real-Time Notification to the Operator  Timely Problem Solving  Instant Feedback to the Manager
Cerro Manufacturing Plant

+ 1.12% Availability
+ 6.14% Performance
+ 7.05% OEE

Comparison 10 mo. 2017 vs 2016
Doorlock Assembly Line

+ 9,6% OEE
+ 282,000 pcs. Production Increase

Comparison 9 mo. 2017 vs 2016
Moulding Machines

+ 4% OEE
+ 4,8% Availability

Comparison 9 mo. 2017 vs 2016
Innovative Products = Innovative Company

Increased Productivity = Increased Turnover

Innovative Plant = Talents Attractiveness

Tangible Innovation = Reputation
Thank you